

Docket No.: 12810-00232-US
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Markus Siegert et al.

Application No.: National Phase of
PCT/EP2004/011584

Confirmation No.: N/A

Filed: Concurrently Herewith

Art Unit: N/A

For: METHOD FOR THE DISTILLATIVE
SEPARATION OF MIXTURES
CONTAINING ETHYLENEAMINES

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

10/574680
IAP20 Rec'd PCT/PTO 04 APR 2006

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The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 03-2775, under Order No. 12810-00232-US.

Dated: 4/4/06

Respectfully submitted,

By Harold Pezzner
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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	12,571,680
				Filing Date	Concurrently Herewith
				First Named Inventor	Markus Siegert
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	12810-00232-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA*	US-2,471,134	07-17-1946	Wright	
	AB*	US-4,230,533	10-28-1980	Giroux	
	AC*	US-6,627,756	09-30-2003	Riechers et al.	
	AD*	US-2004/0220406	11-04-2004	Lang et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ - Kind Code ⁵ (if known)				
	BA	EP-0 122 367	10-24-1984	BASF Aktiengesellschaft		See Abstract
	BB	EP-0 126 288	11-28-1984	BASF Aktiengesellschaft		See CA 1,242,309
	BC	EP-0 133 510	02-27-1985	BASF Aktiengesellschaft		See CA 1,222,717
	BD	DE-35 22 234	01-02-1987	BASF AG		See Abstract
	BE	CA-1,222,717	06-09-1987	BASF Aktiengesellschaft		
	BF	CA-1,242,309	09-27-1988	BASF Aktiengesellschaft		
	BG	EP-0 780 147	06-25-1997	BASF Aktiengesellschaft		See Abstract
	BH	DE-199 33 850	01-25-2001	BASF AG		See US 6,627,756
	BI	WO-2005/014523	02-17-2005	BASF Aktiengesellschaft		See Abstract

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
	CA	Kaibel, G., "Distillation Columns with Vertical Partitions", Chem. Eng. Technol. 10 (1987), pp. 92-98.		
	CB	Wolff, Erik A. et al., "Operation of Integrated Three-Product (Petlyuk) Distillation Columns", Ind. Eng. Chem. Res. 34 (1995), pp. 2094-2103.		
	CC	Kaibel, Gerd et al., "Gestaltung destillativer Trennungen unter Einbeziehung thermodynamischer Gesichtspunkte", Chem.-Ing.-Tech. 61 (1989), Nr. 1, pp. 16-25.		
	CD	Kaibel, G. et al., "Thermodynamics - Guideline for the Development of Distillation Column Arrangements", Gas Separation & Purification 4 (1990), pp. 109-114.		
	CE	Process Engineering 2 (1993), pp. 33-34.		

Examiner Signature		Date Considered	
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				Application Number Not Yet Assigned	
				Filing Date Concurrently Herewith	
				First Named Inventor Markus Siegert	
				Art Unit N/A	
				Examiner Name Not Yet Assigned	
				Attorney Docket Number 12810-00232-US	
Sheet	2	of	2		

CF	Lestak, F. et al., "Heat Transfer Across the Wall of Dividing Wall Columns", Trans IchemE 72 (1994), Part A, pp. 639-644.	
CG	Lestak, Frigyes et al., "Advanced Distillation Saves", Chemical Engineering (1997), pp. 72-76.	
CH	Schultz M. A. et al., "Reduce Costs with Dividing-Wall Columns", Chemical Engineering Progress, American Institute of Chemical Engineers, NY, Bd. 98, Nr. 5, May 2002, pp. 64-71.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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